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JPRS 9412

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JPRS 9456

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8 pp.

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JPRS 9733

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JPRS 9734

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7-Dehydrocholesterol and in Irradiated Yeast,
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Sci - Med

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METABOLISM IN RATS DUE TO DIFFERENT DOSES
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DESCRIPTORS: *Carbohydrates, *Metabolism, Rats,
Dosage, *Insulin, Hormones, Drugs, *Shock
(Pathology), Brain, Blood, Blood chemistry, Lactic
acid, Glycogen, Organic acids.

(Biological Sciences--Biochemistry, TT, v. 9, no. 12)

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Skvirskaya, E. B. and Babii, T. P.
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THE NERVOUS SYSTEM AND IN THE BRAIN OF
ANIMALS OF DIFFERENT AGES. [1962] [19]p.
(Eng. refs. omitted) 3 refs.
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DESCRIPTORS: Nucleic acids, *Brain, *Ribonucleic
acids, *Deoxyribonucleic acids, Animals, *Age,
Nucleotides, Metabolism, Phosphorus, Tracer studies,
*Nucleic acids.

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of cats is heterogeneous in its nucleotides. The compo-
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DESCRIPTORS: *Ribonucleic acids, *Brain, Animals,
*Electroshock, *Convulsions, Biochemistry, Micro-
photography, Cytochemistry, Nucleic acids

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no.: S 395-2.
Order from OTS, SLA, or ETC \$1.60 TT-63-24522

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1962, v. 34, no. 1, p. 23-31. (Abstract available)

DESCRIPTORS: Physical chemistry, *Blood proteins,
Rabbits, *Cancer, Blood chemistry, Diagnostic agents,
Diagnosis,

A substantial decrease in the quantity of reactive SH-
groups in natural blood serum of carcinomatous rabbits
as compared with that of healthy rabbits was shown,
both per 100 ml of serum and per 1 g of protein. In
protein precipitated by nitric acid from the serum of
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- I. Korotkorucho, V. P.
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- III. FASEB-S-395-2
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(NY-7038)

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DESCRIPTORS: *Nitrophenols, *Thiamine, *Absorption
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studies.

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DESCRIPTORS: Carbohydrates, Phosphorus,
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(Biological Sciences--Biochemistry, TT, v. 11, no. 10)

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CESTE TT 64-21936

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Bio Lab T-459-1

R-7443-D
6 Sept. 1966FRACTIONATION OF BOVINE GAMMA-GLOBULIN ON COLUMNS OF
CARBOXYMETHYL- AND DIETHYLAMINETHYL-CELLULOSE

Author: A.S. Tsyperovich & I.P. Galich

Source: Ukrainian Biochemical Journal, 35, 6, 1963
pp 931-941

Language: Russian

Est for wds:

Type one camera ready copy. Document may be cut.
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CSIRO 3920

Sci - Min/Met
Aug 62

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RUSSIAN. per, Ukrain Fiz Zhur, Vol II, No. 1, 1967,
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SLA R-3129

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The Influence of the Products of Evaporation
of Theraionic-Cathode Material, in Particular
Barium, on the ~~Trans~~ Transformations Which
Take Place in the Oxides of Metals During
Their Electron Bombardment, by G. S. Mikhaylov.
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Sci - Min/Met
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Karlykov, D. M.
X-RAY INVESTIGATION OF THE SHORT DISTANCE
ORDER OF LIQUID CADMIUM AMALGAMS. [1961.]
[10]p. 9 refs.
Order from OTS or SLA \$1.10

62-13393

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1957,
v. 2, no. 2, p. 43-48.

DESCRIPTORS: Liquids, *Cadmium, *Mercury alloys,
Alloys, X-ray diffraction analysis.

An X-ray investigation was made of liquid solutions of
cadmium in mercury. The X-ray photographs were ob-
tained in copper radiation, monochromatized by means
of a curved quartz crystal. The photographs were made
from the free surface of the liquid alloy in a vacuum
chamber with a radius of 38 mm. During the exposure
of the photograph the temperature of the sample was
(Metallurgy, TT, v. 7, no. 1)

(over)

62-13393

I. Karlykov, D. M.
II. Translations, New York

Office of Technical Services

Radial Distribution of Charged Particle Concentrations
in a Magnetic Ion Source, by M. D. Gabovich,
Yu. B. Yermolovich, 11 pp.
UKRAINIAN, per, Ukrains'kyi Fiz Zhur, Vol II, No 2,
1957, pp 165-173. 9695837
FTD-TT-64-442

Sci + Phys
Feb 65

274,083

A Hydrogen Condensation Pump, by B. G. Lazarev,
E. S. Borovik, M. F. Fedorova, M. M. Tsyn, 11 pp.
UNCLASSIFIED

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No 2, Kiev, 1957, pp 175-182.

US JPRS/NY-L-203

Sci - Engr
Jun 58

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On Some Processes in an Oxide-Coated Thermocathode
During Prolonged Operation, by Ya. P. Zingerman.
UNCL

RUSSIAN, per, Ukrainskiy Fiz Zhur, No 2, 1957,
pp 183-188.

DSIR LNU RTS 1028

Sci - Chem
Jul 59

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Theory of the Electrical Resistance of
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RUSSIAN, per, Ukrain Mz Zhur, Vol II, No 3,
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Experimental Investigations and Certain Questions in
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No 3, Kiev, 1957, pp 274-281.

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Jan 59

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ON THE ORIGIN OF X-RAY SATELLITES, BY
S. M. KARL'NYK, S. B. NYZHNYK.

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1957, PP 333-337.

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UNITED STATES AIR FORCE

SCI-SPACE/RES
SEPT 62
(MEMO 25 SEPT 62)

On the Structure of Molten Au-Sn Compounds,
by A. P. Skyshevskiy. UNCL

RUSSIAN, per, ~~Ukrain~~ Fiz Zhur, Vol XI, No 4,
1957, pp 363-365.

DSIR LIU (loan) M.371

SLA 59-22440

Sci - Chem
Jul 59

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Conversion of Thermal Energy Into Electric Energy
by Use of Thermionic Emission, by N. D. Morgulis,
P. N. Marchuk, 3 pp.

UKRAINIAN, per, Ukrain Fis Zhur, Vol II, No 4, 1957,
pp 379, 380.

CIA/PID IX-832

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Sci - Phys
May 60

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Production of Vanadium, Niobium, and Tantalum
Folts, by L. I. Kovalenko.
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Vol 2, (Year ?), pp 924-925.
*AEC SCL-T-67-251

Sci - Materials
Jun 67

Investigation of Atomic Mobility at High-Temperature
Axial Compression in Ferrite Type Alloys, by
I. Ya. Kekhtyar,
UKRAINIAN, per, Ukr Fiz Zh, Vol 3, 1958, pp 516-520,
*CFSTI TT 70-59088

Sci- *shys*
June 70

Effect of Volume Pressure on the Self-diffusion
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UKRAINIEN, per, Ukr Fiz Zh, Vol 3, 1958, pp 651-
658.

*CFSTI TT 70-59070

Sci- *chip*
June 70

On the Movement of Atoms in Metals in the Region
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L. N. Larikov.

UKRAINIAN, par, Ukr Fiz Zh, Vol 3, 1958, pp 668-
671.

*CFSTI TT 70-59077

Sci- *phys*
June 70

Exchange of Charge Between Cesium Ions and Atoms,
by R. M. Kushnir.

UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol III, 1958,
pp 788-794. CIA 654344

ATTC MCL-114/V

REC-AP-6-453
119,382

Sci - Phys

May 59

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Morgulis, N. D. and Marchuk, P. M.
INVESTIGATION OF A CESIUM ARC RECTIFIER.
[1963] [17]p. (figs. omitted) 11 refs.
Order from OTS or SLA \$1.60

63-18439

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1958,
v. 3, no. 1, p. 95-103.

DESCRIPTORS: *Cesium electron tubes, *Rectifiers,
Electron tubes, Cathodes (Electron tubes), Nickel,
Tungsten, Design, Operation.

Results are presented of an investigation carried out
on the various properties of a cesium arc rectifier. A
special feature of this rectifier is that it makes it
possible to obtain a very high discharge current density
on the cathode J_0 with a rather small potential drop U_a .
This is connected with the formation of an active cesium
film on the surface of cathode, as well as with the easy
(Engineering--Electronic, TT, v. 10, no. 9) (over)

63-18439

I. Morgulis, N. D.
II. Marchuk, P. M.

Office of Technical Services

On the Thermoelectromotive Force of Certain
Metallic Borides and Carbides in Combination with
Copper, by G. V. Samsonov, N. S. Strel'nikova,
5 pp. UNCLASSIFIED

UKRAINIAN,
per, Ukrainskiy Fizichnyi Zhurnal, Vol. III,
No. 1, Jan-Feb, 1958, pp 135-138 *CIA-8-31*

ATIC F-TS-9800/V

Sci - Phy

Jun 59

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On the Theory of Semiconductor Resistance in
Strong Magnetic Fields, by A. Yu. Glauberman, O. M.
Mizichuk, 10 pp.

RUSSIAN, per, Ukr Fiz Zhur, Vol III, No 2, 1958,
pp 178-184.

SLA 59-10239

Sci
Nov 59
Vol 2, No 3

101, 719

S-5039

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Propagation of Ultrashort Waves in a Mountainous
Locality, by S. Ya. Braude, 9 pp.

UNDAINTIAN, per, Ukrain'skiy Fizichnyi Zhur,
Vol. III, No 2, Kiev, 1958, pp 246-253.

JPRS 1562-N

Sci - Electronics
May 59

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Self Diffusion of Fe and Diffusion in Fe Con-
taining Small Amounts of Al, by S.B. Gertsriken,
et al, 9 pp.

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1958, pp. 255-263
*CFSTI TT 70-57058

Sci/phys
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The Effect of Geometrical Distortions of the
Crystal lattice on X-Ray and Thermal Neutron
Scattering by Multiconstituent Unordered Solid
Solutions, by M.A. Krivoglaz, E.A. Tikhonova.
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Vol 3, No 2, 1958, pp 297-312. P91116966
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Sci/Physics
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Karlykov, D. N.
X-RAY INVESTIGATION OF THE SHORT DISTANCE
ORDER OF LIQUID ZINC-IN-MERCURY SOLUTIONS.
[1961] 6p. 7 refs.
Order from OTS or SLA \$1.10

61-28172

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR)
1958, v. 5, no. 3, p. 370-374.

DESCRIPTORS: X-rays, *Liquid metals, *Zinc,
*Mercury, Solutions, X-ray diffraction analysis.

An analysis of the diffraction pattern that is observed
in scattered X-radiation of liquid amalgams of zinc
indicates that they belong to the group of physical
solutions.

(Chemistry--Physical, TT, v. 7, no. 7)

61-28172

I. Karlykov, D. N.
II. Translations, New York

Office of Technical Services

Lashko, O. S. and Romanova, O. V.
THE STRUCTURE OF CERTAIN LIQUID METAL
ALLOYS. [1961] [15]p. 9 refs.
Order from OTS or SLA \$1.60

61-28171

Trans. of Ukrayins'kyl Fizychnyi Zhurnal (USSR)
1958, v. 3, no. 3, p. 375-384.

DESCRIPTORS: *Liquid metals, *Alloys, X-rays,
Liquids, Bismuth alloys, Tin alloys, Lead alloys,
Zinc alloys, Aluminum alloys, Silver alloys, Molyb-
denum, Polarization, Absorption, Crystallization, Ra-
diation effects, Ionization, *Atomic structure

The results of X-ray investigations of liquid alloys are
given: Bi-Sn, Bi-Pb, Sn-Zn and a liquid solution of
Al-Ag. Analysis of the atomic distribution curves of
the investigated liquid alloys of eutectic concentration
indicates the existence of small regions, consisting
(Metallurgy, TT, v. 7, no. 9)

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61-28171

- I. Lashko, O. S.
- II. Romanova, O. V.
- III. Translations, New York

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A Study of Structural Change of Nickel in Creep,
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Okruinets', 11 pp.

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No 3, 1958, pp 391-395.

SIA 60-19116
ATIC F-TB-9802/V

Sci - Physics
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ALC MF-6-112

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On the Problem of Determining the Distribution by
Concentration for Alloys of Heterogeneous Metal
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ATTC F-TS-9802/V

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Sci. - Minerals/Metals
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Simple Waves in Magnetohydrodynamics, by A. I.
Akhiyevskiy, G. Ya. Lyubarskiy, R. V. Polovin, 6 pp.

RUSSIAN, per, Ukr Fiz Zhur, Vol III, No 4, 1958,
pp 433-438.

MDP A-139

Sci - Electron
Sep 59
Vol 2, No 1

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The Thermally Excited Current in CdS
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Podorus. UHCL

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Sci - Chem
Nov 59

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Migration of Silver on Passage of Direct Current
Through It, by P. Kuz'menko, E. Khar'kov.

UKRAINIAN, per, Ukrains'kii Fizichnyi Zhurnal,
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CSIRO Tr 5036
61-15307

Sci - Phys

Jun 61

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